



# NEHA SHARMA


Multifaceted Professional: Data Analyst, Assistant Professor, and Innovative Researcher.



 Kanpur, UP 208001

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Assistant Professor and Data analyst with 6+ years of data analysis and teaching experience in engineering colleges . Proven track record of analysis of data to gain business insights using python(pandas, numpy, matplotlib, seaborn),Power BI,My SQL and MS Excel. Enthusiastic professional with background in academics and research.

## Skills

Power BI  
Problem-solving abilities  
Machine Learning  
ETL processes  
Statistical Analysis  
Data Modeling  
Microsoft Excel  
Data Cleaning (Power Query)  
Python Programming (Numpy , Pandas , Matplotlib , Seaborn)  
SQL  
Data Visualization and Presentations  
Data Analysis  
DAX  
Power BI

## Work History

2020-01 - 2022-05

### **Assistant Professor and Data Analyst**

*Axis Colleges, Kanpur*

- Worked as data analyst for 2.4 years in college and responsible for collecting, analyzing, and interpreting data to support decision-making and improve operations, academic performance, and student outcomes.

- Contributed to departmental goals by serving on various committees focused on curriculum development, assessment strategies, and accreditation requirements.
- Maintained up-to-date knowledge of subject matter by attending conferences, workshops, and webinars relevant to field of study.

2015-07 - 2022-06

### Research Scholar

*Dr. A.P.J.ABDUL KALAM TECHNICAL UNIVERSITY, Lucknow*

- Conducted original research, contributing to advancement of knowledge, and disseminating findings through 3 publications and presentations.

2015-06 - 2015-07

### Assistant Professor

*Pranveer Singh Institute Of Technology (PSIT), Kanpur*

- Facilitate student learning through innovative teaching methods, while conducting research to contribute to the advancement of computer science education and practice.
- Mentored students, developed curriculum, and collaborated with colleagues to foster academic excellence in the field.

2015-01 - 2015-05

### Assistant Professor

*Kanpur Institute Of Technology, Kanpur*

2011-07 - 2014-11

### Assistant Professor and Data Analyst

*Krishna Institute Of Engineering And Technology, Ghaziabad*

- Developed customized reports, summarizing and presenting data in visually appealing format for better decision making .
- Increased academic achievement by providing one-on-one mentoring and support to struggling students.



## Education

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2024-06 - 2024-06

### Master of Engineering: Information Technology

*U.I.E.T Panjab University - Chandigarh, India*

2024-08 - 2024-06

### Bachelor of technology: Information Technology

*Raj Kumar Goel Institute of Technology - Ghaziabad, India*

2005-05

### Senior Secondary Education: Science

*Ryan International School - New Delhi, India*

2003-05

### Higher Secondary Education: Science

*Ingraham Institute English School - Ghaziabad, India*



## Personal Details

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**Date of Birth:** 30/09/1987

**Nationality:** Indian

**Marital Status:** Married

**Gender:** Female



## Languages

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English

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Bilingual or Proficient  
(C2)



## Research Publications

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1. CasEnc: An Information Retrieval and Ranking System based on Cascaded Encoders
2. New Application of LifeRank Algorithm: A Case Study
3. Review of features and machine learning techniques for web searching



## Projects

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1. Sales Insights: AtliQ hardware sales insights [Power BI | SQL]  
Designed an interactive dashboard to offer real-time insights into metrics and trends of AtliQ hardware goods sales,empowering stakeholders to navigate and optimize sales management effortlessly.
2. College Placement Analysis: Engineering college placement analysis [Power BI]  
Build a College Placement Dashboard that analyzes the relationship of placement with his/her background. And identified which factors are crucial for student's placement.
3. Electric Vehicles:[Power BI]  
Crafted an interactive dashboard encompassing various facets of the EV ecosystem, including both BEV and PHEV ,to access market size and growth, consumer preferences, technological advancement, efficiency, dominance and market share of electric vehicles .